



**NHAT MINH TT
JOINT STOCK COMPANY**

**SCINE 2007
++ 15 years of Experience**

**Factory: Road DT743, Binh Thang Ward, Di An City, Binh
Duong Province, Vietnam**

**Hotline: +84 961 807 754
Website: www.nmmold.com.vn**



1. NHAT MINH OVERVIEW





1. GENERAL INFORMATION

Vendor Summary	
Established Year	2007
Founder	Mr. Huynh Van Teo
Co – Founder	Mr. Dang Quoc Tien

Production Capability

- ✓ Mold Fabrication
- ✓ Injection Molding
- ✓ **Double Shot** – Injection molding
- ✓ Blowing
- ✓ Painting (Metal/ Plastic)
- ✓ Printing (Metal/ Plastic)
- ✓ Assembly
- ✓ **OEM (complete product)**

	Total Capital	Facilities & building Asset	Equipment & Machine Asset
Investment	<p>150 Bil VND (6.5 Mil USD)</p> <p>200 Bil VND (10 Mil USD)</p>	<p>1 Facilities + 01 on going.</p>	<ul style="list-style-type: none"> • 22 CNC and Tooling Machines • 40 injection machines. • 02 line printing. • 02 line assembly
	Ground Area (m2)	Building Area (m2)	Location
Factory	<p>7,500</p> <p>5,500</p>	<p>4,000</p> <p>10,000</p>	<ul style="list-style-type: none"> ▪ Binh Duong Province, Vietnam ▪ SHTP – HCM – Vietnam (On Going)
	Total	Index	Remarks
Human Resource	180 - 200	<p>Management: 35</p> <p>Production line: 160</p> <p>Others: 5</p>	Working 2 shifts



New Project - 2025



New Factory Project

Address: Saigon High-Tech Park, HCMC, Vietnam

New Factory Capacity Plant

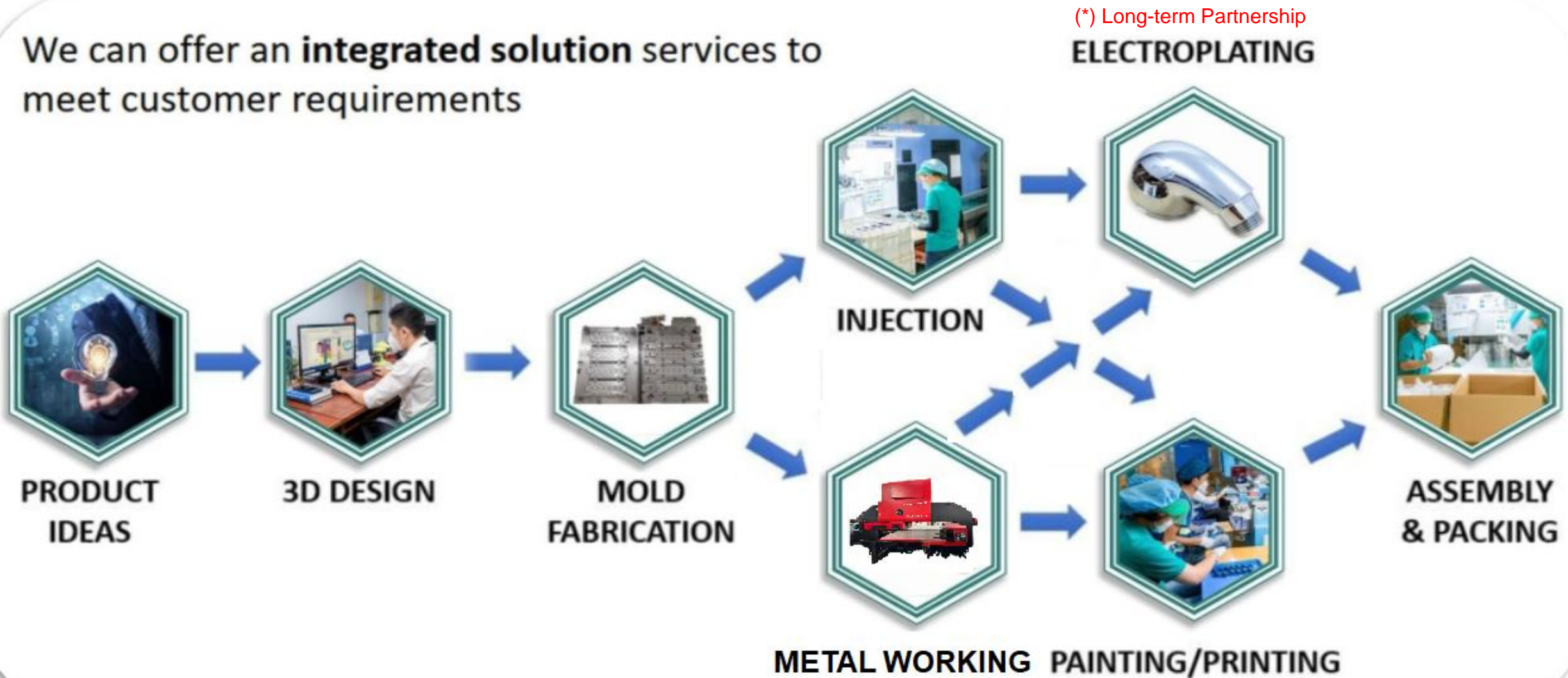
Mold Manufacture	25-30 molds/month
Plastic Injection Molding	170-220 tons/month (50-70 Injection machines)
Secondary	Painting, Printing, Assembly. Metal working.
Remark	Cleaning room, class 100,000 with 2,500m ² area for Medical parts of injection molding

OEM PRODUCTS



NHAT MINH COMPETITIVE ADVANTAGES

We can offer an **integrated solution** services to meet customer requirements





Development Objectives



Commitments:



OUTSTANDING CUSTOMERS



ELECTRICAL & ELECTRONICS



MEDICAL & LIFECARE:



OFFICE & HOME APPLIANCE



AUTOMOTIVE & MOBILITY





ON GOING/ APPROACHING CUSTOMER



ELECTRICAL & ELECTRONICS



MEDICAL & LIFECARE:



OFFICE & HOME APPLIANCE



AUTOMOTIVE & MOBILITY



HONDA



ŠKODA



HYUNDAI



TOYOTA



PRODUCT FOOT PRINT





2. CERTIFICATIONS

- Quality assurance
- Product origins

ISO 9001:2015 Certificate No.: FM 712617

Management of Technical Substances Certificate Ref: P0220074

bsi.  

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: **BUSINESS LOCATION - NHAT MINH TT JOINT STOCK COMPANY FACTORY**
No. 295/20 DT743A Street, Trung Thang Ward, Binh Duong Province, Di An City, Vietnam

Holds Certificate Number: **FM 712617**

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:
The design and fabricate of mold; The manufacture of plastic apparatuses.

For and on behalf of BSI: 
Michael Lam
Managing Director Assurance, APAC

On behalf of BSI Vietnam: 
Le Duyen Anh
Managing Director Vietnam

Original Registration Date: **08/08/2016**
Latest Revision Date: **10/08/2023**

Effective Date: **08/08/2022**
Expiry Date: **07/08/2025**

Pages: 1 of 1
...making excellence a habit™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated online. Printed copies can be validated at www.bsigroup.com/ClientDirectory or telephone +44 (28) 38 200 066. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.

Information and Contact: BSI, Kilnmarket Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, Tel: +44 (0)1908 900000. BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK. Contact Office: BSI Vietnam Headquarters - 13 Floor APC Tower, 5188 Dien Bien Phu Street, Ward 11, Binh Thanh District, Ho Chi Minh City, Vietnam. Telephone: +84 (28) 38 200 066. A member of the BSI Group of Companies.



Ref: P0220074
Issued Date: 25 August, 2020

Certificate

NHAT MINH DESIGN MANUFACTURE COMPANY LIMITED

This is to certify that you have successfully met with the Brother Group's Standard of Management of Chemical Substances in Products.

Items approved are as follows:
Audit on Management of Chemical Substances in Products
Date: 09 July, 2020


Shun Kanishima
General Manager
Law, Environment & General Affairs Dept.
BROTHER INDUSTRIES, LTD.


brother
at your side


INSPECTION CERTIFICATE (検査成績書)

Supplier: Certificate No.:
Contract No.: Date of Issue:
Customer: Surveyor to:
Material:
Condition:

TEST NO	SIZE/THICKNESS, DDD, (mm)	MS	AS1006	AS1002	AS1005
SIZE/THICKNESS, DDD, (mm)	Ms:8	65.00	100.00	75.00	
		499	1,221	905	
--STANDARD OF SPECIFICATION--		RESULT			
[CHEMICAL COMPOSITION]					
C	% x 100	MAX. 140	100	145	145
S	% x 100	MAX. 40	21	31	21
Mn	% x 100	MAX. 60	37	34	35
P	% x 1000	MAX. 50	23	22	23
S	% x 1000	MAX. 30	6	6	8
Si	% x 100	1100	1320	1120	1120
Al	% x 100	MAX. 25	8	4	8
Ni	% x 100	MAX. 70	31	19	31
Mo	% x 100	80	120	80	80
V	% x 100	20	20	23	23
[SURFACE DEFECT (INSPECTION I)]		GOOD	GOOD	GOOD	
[SIZE ITEM]		GOOD	GOOD	GOOD	
[MICRO STRUCTURE]		GOOD	GOOD	GOOD	
TOTAL DECARBURIZED DEPTH		0.40	0.25	0.20	
[HARDNESS ITEM]					
BODY HARDNESS (HFW)		MAX. 250	217	229	229
R/A/L		INSU	INSU	INSU	

マイクロファイン MICRO FINE


N. Toyogama
Manager of Quality Assurance Service


NIPPON KOSHUHA STEEL CO.
TOYAMA WORKS
日本高層鋼製株式会社
富山県富山 富山製鋼所



2. CERTIFICATIONS – UNDER PLANING

ISO – 22000:2018

For Food & Beverage

ISO 13485

For Medical

IATF

For Automotive



3. TECHNOLOGIES & MANUFACTURING CAPABILITY



3. TECHNOLOGIES & MANUFACTURING CAPABILITY

- 3.1 Product & tooling design
- 3.2 Tooling Fabrication
- 3.3 Injection & double shots
- 3.4 Painting, printing, Others
- 3.5 Assembly
- 3.6 Internal Quality Control





3.1 PRODUCT & TOOLING DESIGN



MOLD DESIGN
DFM/CAE/ MOLD FLOW.

Design team: 09 employees
Tooling & man forces: 28 employees

3.2 TOOLING FABRICATION



Wire-cut EDM Machine (MAKINO)



Wire-cut EDM Machine (SODICK)



CNC Milling Machine (MAKINO)



CNC Milling Machine (FANUC)



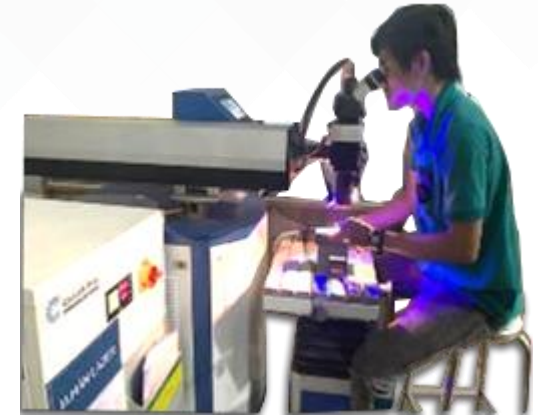
EDM (SODICK)



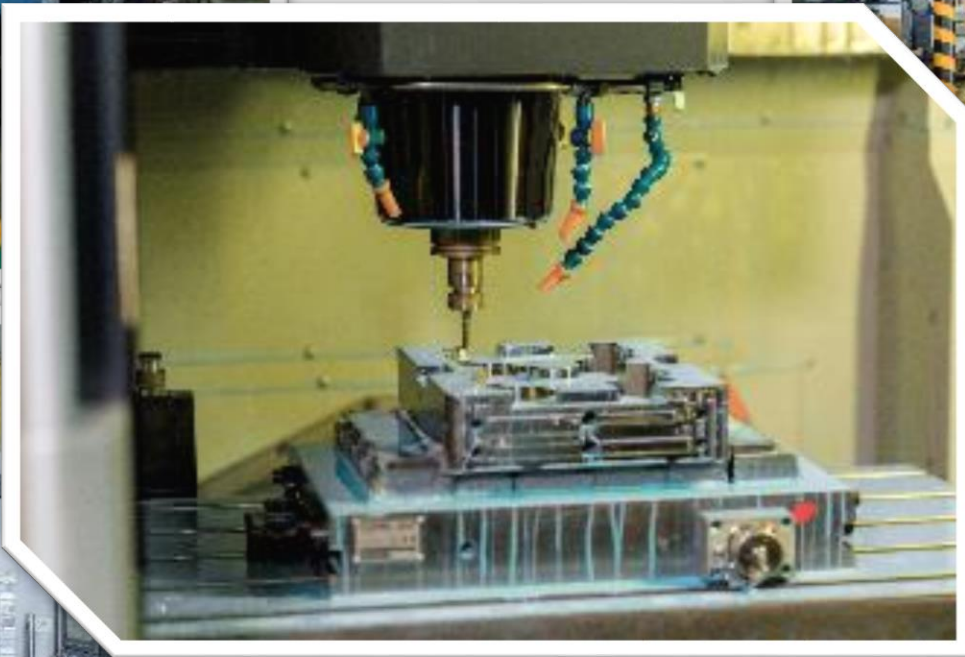
EDM Machine (FANUC)



CNC Milling Machine (OKUMA)



Laser Welding Machine





Tooling Making Facilities

NO.	MACHINE	BRAND	ORIGIN	QTY. (unit)
1	CNC Lathe Machine	Morri Seiki	Japan	1
2	CNC Milling Machine	Hurco	USA	2
3	CNC Milling Machine	Makino	Japan	1
4	CNC Milling Machine	Doosan	Korea	1
5	CNC Milling Machine	Fanuc	Japan	1
6	CNC Milling Machine	Okuma	USA	1
7	CNC Milling Machine	Morri Seiki	Japan	1
8	EDM	Sodick	Japan	3
9	Lathe Machine	Blue-line	Japan	1
10	Milling Machine	Hitachi, Enshu, Shizuoka,	Japan	4
11	Drilling Machine	Toa	Japan	1
12	Surface Gridding Machine	Mada, Nicco, Okamoto	Japan	3
13	Wire-cut EDM Machine	Makino, Sodick	Japan	2
Total				22

Mold types & capacity

TOOLING CAPACITY			
TOOLING TEAM: ~ 30 Employees			
NO.	DESCRIPTIONS	QUANTITY	LEADTIME
1	High case complexity, large size dimension (Perimeter >1500 mm)	1-2 molds/month	60-75 days
2	Average case complexity, average size dimension (Perimeter > 400-1500 mm)	6-8 molds/month	45-60 days
3	Low case complexity, small size dimension (Perimeter > 200-400 mm)	9-11 molds/month	35-45 days
4	Low case complexity, small size dimension (Perimeter 0-200 mm)	16-20 molds/month	25-35 days



3.3 INJECTION & DOUBLE SHOTS

	INJECTION MACHINE RANGE	QUANTITY (unit)	REMARK
1	86 to <150 Tons	15	JSW (2), Haitian (12), Woojin (1)
2	150 to <250 Tons	14	Fanuc (1), JSW (4), Haitian (8), Toshiba (1)
3	250 to <350 Tons	5	Fanuc (1), Haitian (2), JSW (1), Sumitomo 280 (1)
4	350 to <550 Tons	5	JSW (2), Haitian (3)
5	600 Tons	1	Haitian (1)
6	IMD/IML - In Mold Labeling unit for <i>double shot machine</i>	(1)	For Sumitomo 280 tons
	Total	40	

(*) Largest part size: L*W*H = 550*440*550

(*) Part mass: ~ 1.9 kg

Material use: ABS, PP, GPPS, HIPS, HDPE, LDPE, PA66, PA6 30%GF, PA6-50%GF, Phenol, PMMA, POM, PC, TPE, TPU, PBT,...

ROBOT APPLICATION



(*) Robot is always in our top priority investment to reduce cost



INJECTION MOLDING FACTORY



**40 Units of
Injection
Machines**



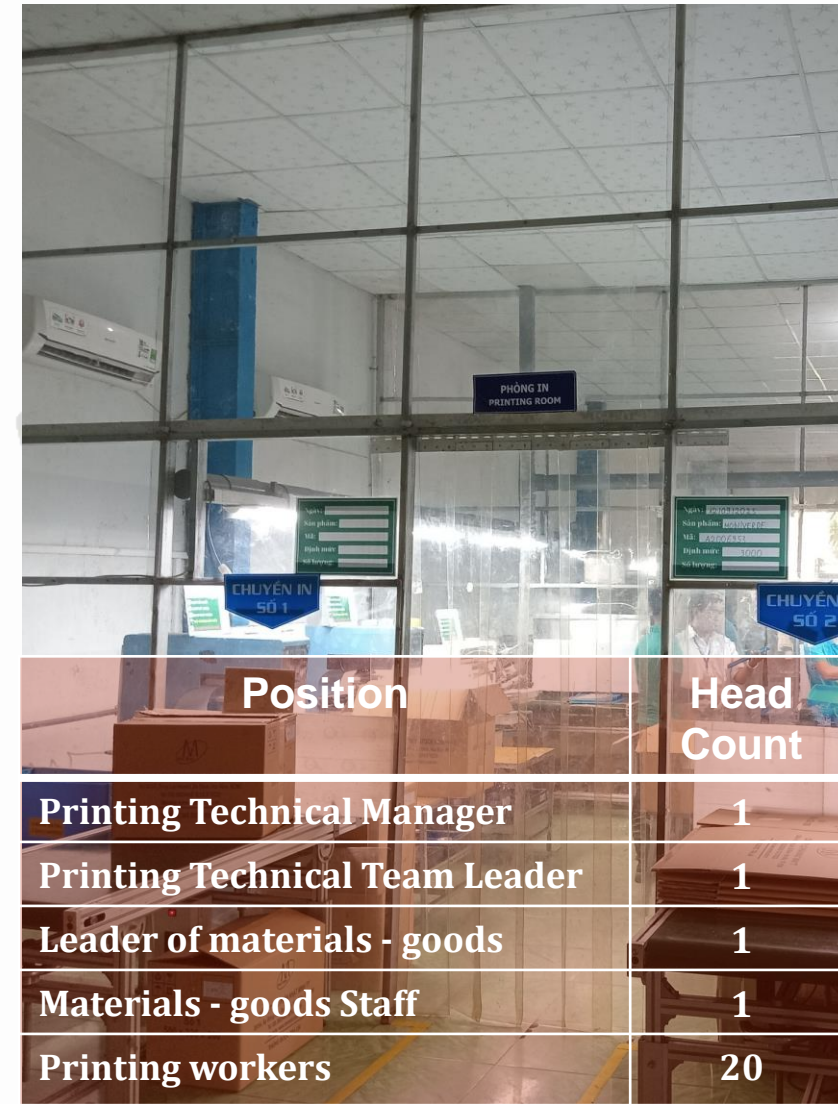
INJECTION MOLDING FACTORY



40 Units of Injection Machines



3.4 PAINTING, PRINTING & OTHERS



Position	Head Count
Printing Technical Manager	1
Printing Technical Team Leader	1
Leader of materials - goods	1
Materials - goods Staff	1
Printing workers	20

3.5 ASSEMBLY



Position	Head Count
Printing Technical Manager	1
Printing Team Leader	1
Leader of materials - goods	1
Materials - goods Staff	1
Printing workers	20



3.6 INTERNAL & QUALITY CONTROL



Vision Measuring Machine





4. PRODUCTS IMAGES



4. PRODUCTS IMAGES

4.1 Tooling

4.1.1 Tooling for plastic part

4.1.2 Tooling for metal cutting

4.2 Plastic products

4.3 Blowing products

4.4 Printing products

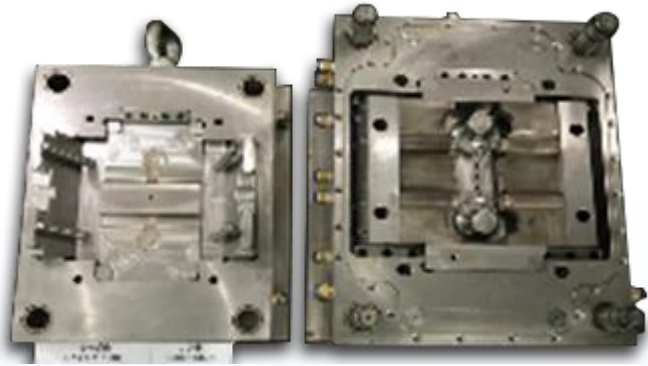
4.5 Metal Products

4.6 **OEM** – Complete products

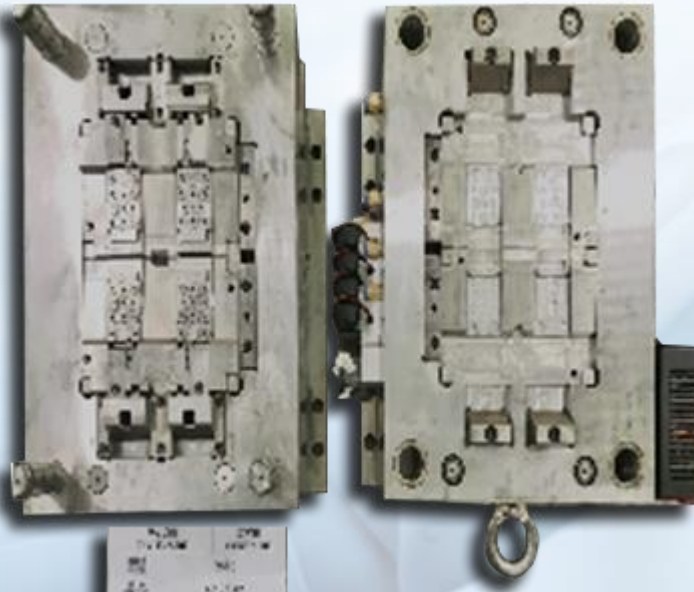


4.1 TOOLING IMAGES

4.1.1 FOR PLASTIC PARTS

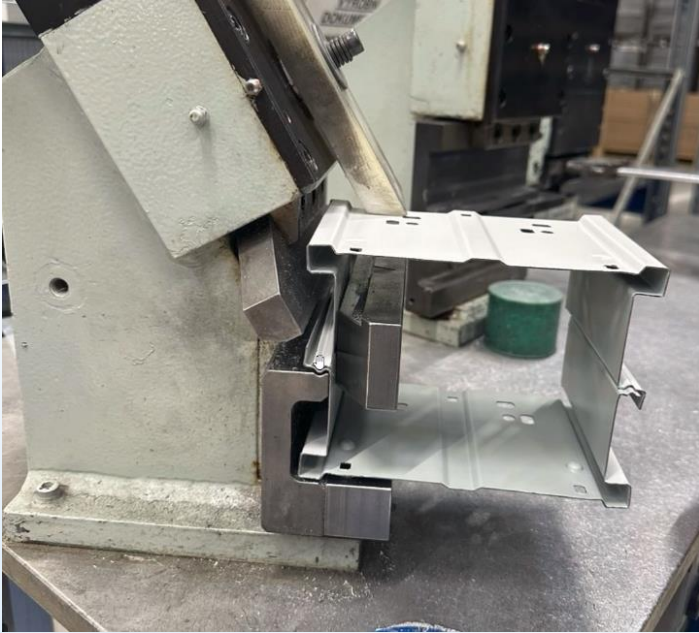


- ✓ Unscrew mold
- ✓ Hot runner system mold
- ✓ Double shot mold
- ✓ Multi Cavities
- ✓ Family mold
- ✓ Blowing Mold
- ✓ Mold Repairing
- ✓ Soft metal tooling

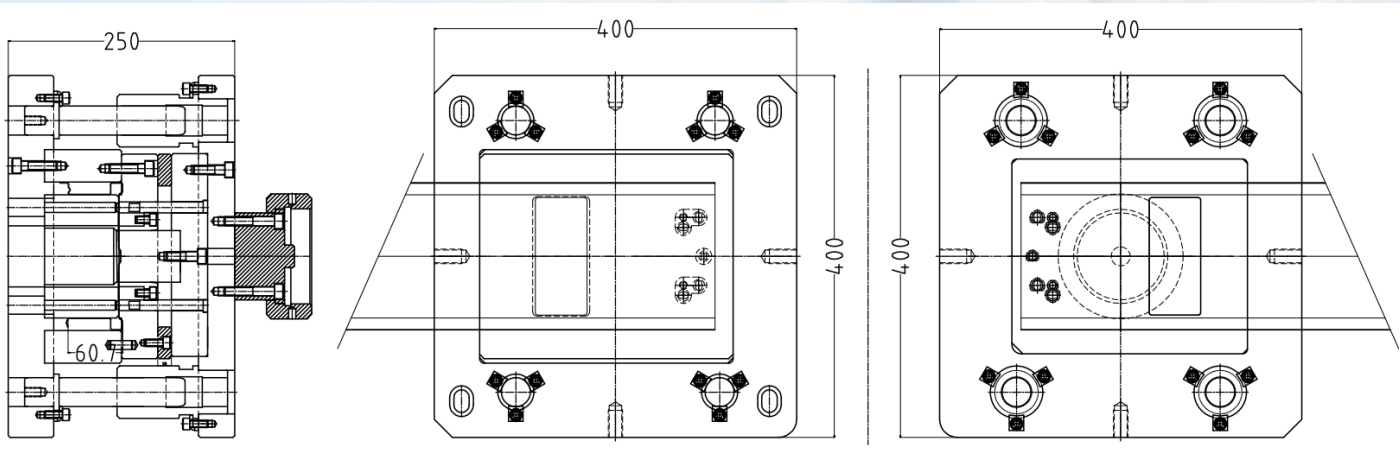


4.1 TOOLING IMAGES

4.1.2 FOR STEEL CUTTING



- ✓ **Steel Cutting**
- ✓ **Steel Pressing**
- ✓ **Insert Molding**





4.2 PLASTIC IMAGES

Small & high precision parts



CB Electric's parts



ENCLOSURE PUMP - BACK

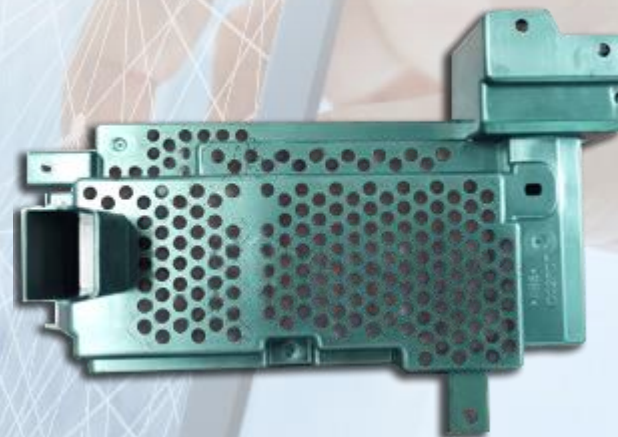


ENCLOSURE PUMP - FRONT

RUBBER, SEAL



STRAIN RELIEF - TUBING

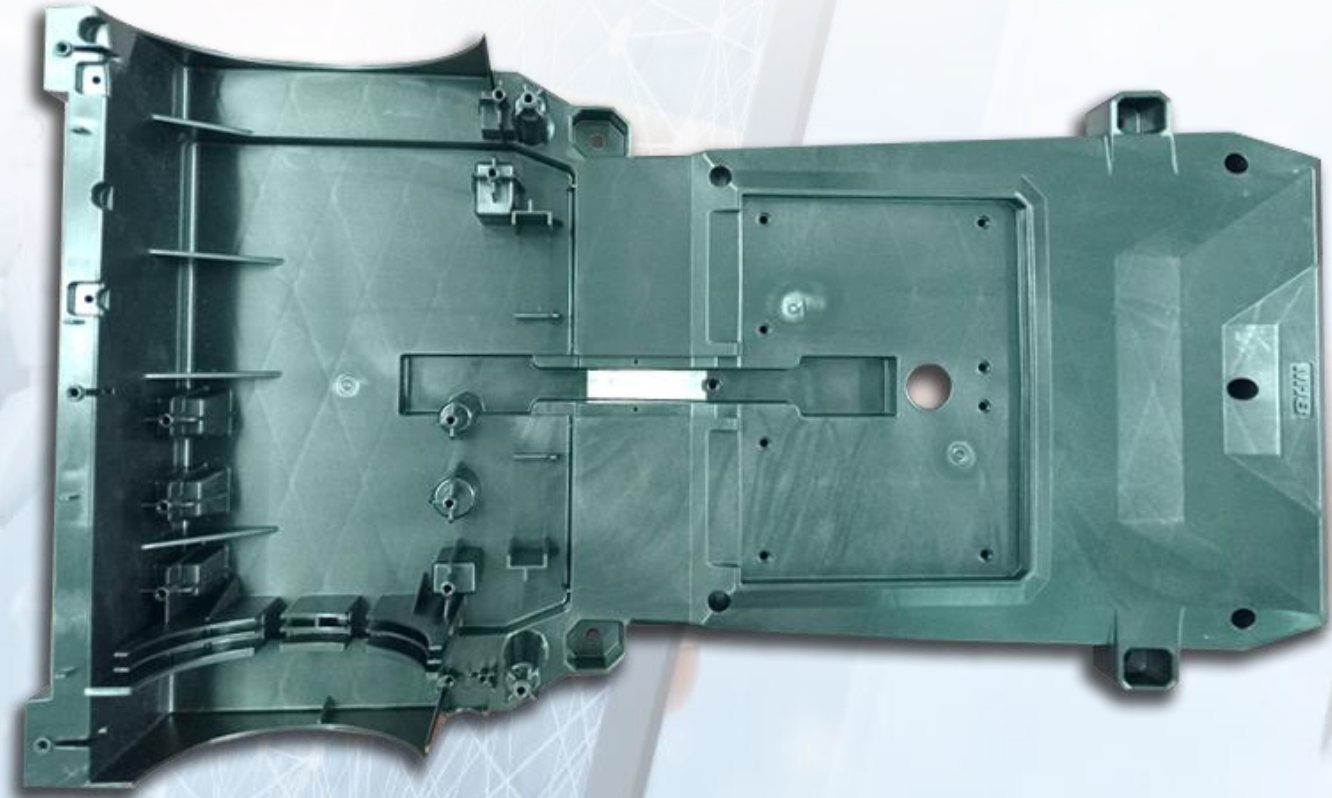




Medium Sizes – Parts



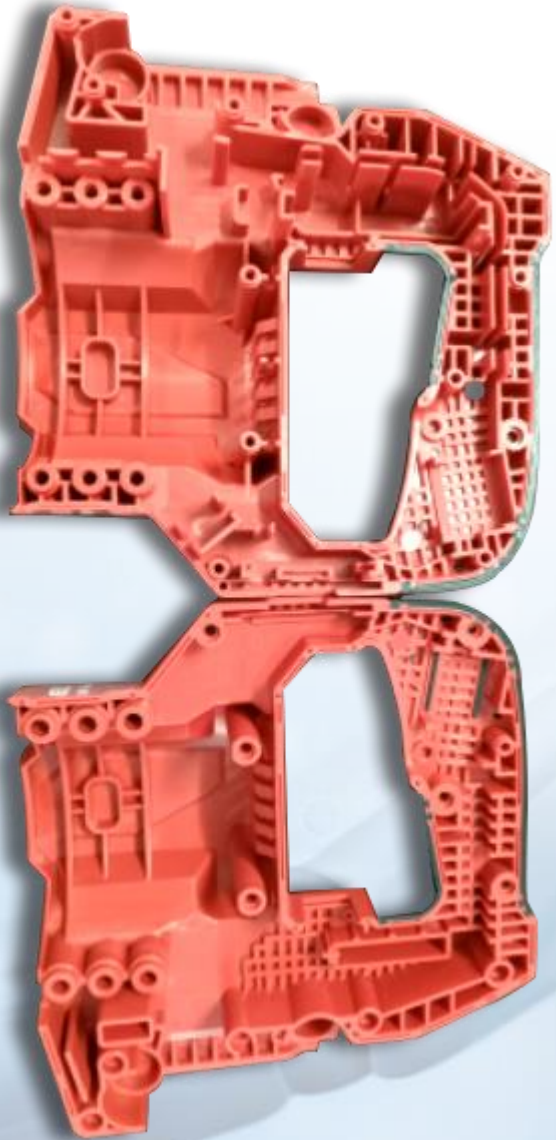
Large Sizes & Complex- Parts



4.2 BLOWING PRODUCTS

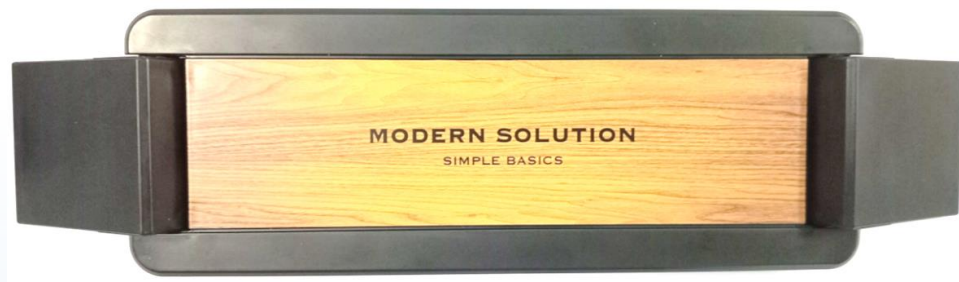


4.2 PLASTIC IMAGES – Overmold & Double Shots





4.3 PLASTIC IMAGES – Printing parts

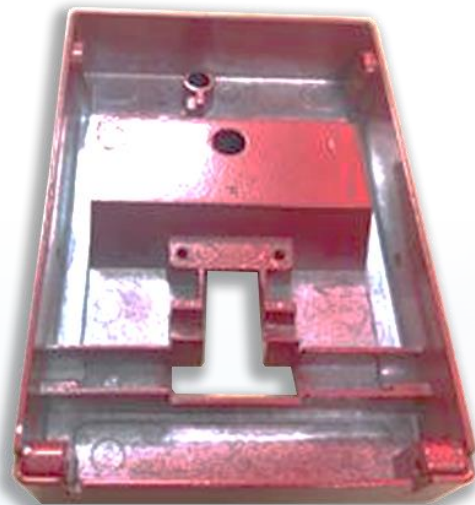




4.4 METAL PARTS – Aluminium Parts

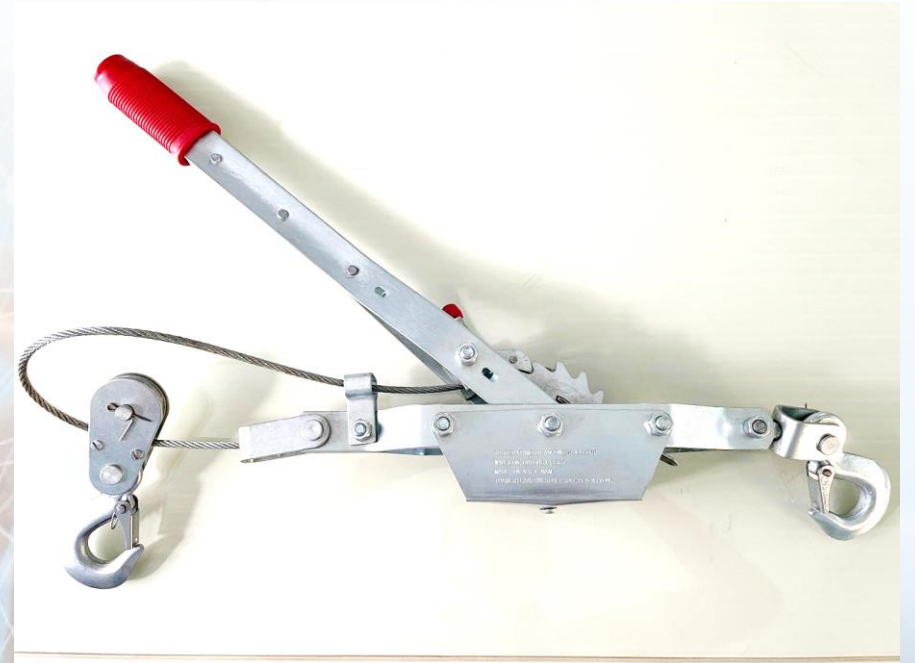


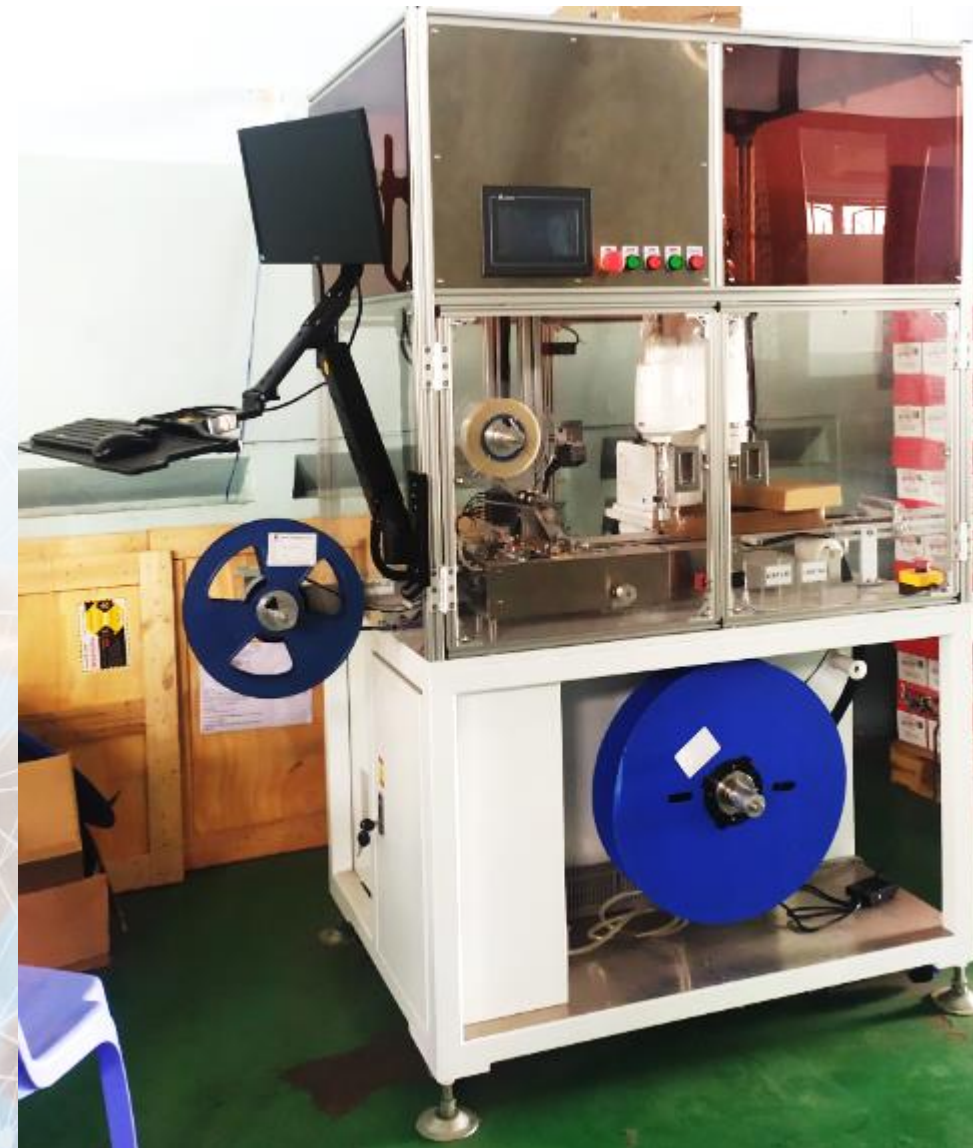
Knob Encoder





4.5 OEM PRODUCT – Complete Parts





Full Machine Assembly





THANK YOU..!

**Factory: Road DT743, Binh Thang Ward, Di An City,
Binh Duong Province, Vietnam**

Hotline: +84 961 807 754

Website: www.nmmold.com.vn